Title (en)

VIRTUAL CIRCUITS IN CLOUD NETWORKS

Title (de)

VIRTUELLE SCHALTUNGEN IN EINEM CLOUD-NETZWERK

Title (fr)

CIRCUITS VIRTUELS DANS DES RÉSEAUX INFONUAGIQUES

Publication

EP 3516829 A4 20200401 (EN)

Application

EP 17854121 A 20170926

Priority

- US 201662400065 P 20160926
- US 2017053429 W 20170926

Abstract (en)

[origin: US2018091384A1] A network provisioning device comprises an administrative interface for instantiating a virtual circuit definition to communicatively couple a set of endpoint devices in a network fabric, and a virtual circuit constructor. The virtual circuit constructor converts the virtual circuit definition into Layer-2 provisioning commands, selects a target set of networking nodes that connect to the endpoint devices, and transmits the Layer-2 provisioning commands to the target set of networking nodes. VXLAN virtual circuit provisioning in the target set of networking nodes establishes a VXLAN circuit to communicatively couple the endpoint devices.

IPC 8 full level

H04L 12/46 (2006.01); **H04L 12/24** (2006.01); **H04L 12/931** (2013.01); **H04L 29/06** (2006.01); **H04L 29/08** (2006.01)

CPC (source: EP KR US)

H04L 12/4633 (2013.01 - EP US); **H04L 12/4641** (2013.01 - EP KR US); **H04L 41/0883** (2013.01 - US); **H04L 41/5041** (2013.01 - US); **H04L 41/5054** (2013.01 - EP US); **H04L 47/822** (2013.01 - US); **H04L 49/354** (2013.01 - EP US); **H04L 67/02** (2013.01 - KR); **H04L 69/164** (2013.01 - KR); **H04L 69/324** (2013.01 - KR); H04L 41/22 (2013.01 - EP US); H04L 41/5058 (2013.01 - EP US); H04L 41/5077 (2013.01 - EP US); H04L 2212/00 (2013.01 - US)

Citation (search report)

- [E] EP 3588861 A1 20200101 - EQUINIX INC [US]
- [A] US 2016253046 A1 20160901 - GARRISON DANIEL ROBERT [US], et al
- See references of WO 2018058104A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 10826796 B2 20201103; **US 2018091384 A1 20180329**; AU 2017330473 A1 20190411; AU 2017330473 B2 20211021; CA 3038147 A1 20180329; CN 109952744 A 20190628; CN 109952744 B 20211214; EP 3516829 A1 20190731; EP 3516829 A4 20200401; EP 3516829 B1 20210707; JP 2019533928 A 20191121; JP 7158113 B2 20221021; KR 102168047 B1 20201020; KR 20190087410 A 20190724; WO 2018058104 A1 20180329

DOCDB simple family (application)

US 201715715611 A 20170926; AU 2017330473 A 20170926; CA 3038147 A 20170926; CN 201780059015 A 20170926; EP 17854121 A 20170926; JP 2019516175 A 20170926; KR 20197011380 A 20170926; US 2017053429 W 20170926